

What is claimed is:

1. A wireless communication terminal synchronization method in which data stored in a memory in each of plural wireless communication terminals is synchronized with each other, when a
5 user selectively utilizes the plural wireless communication terminals by using a single subscriber information card, at least communicating operation in each of the wireless communication terminals being enabled by mounting thereon the subscriber information card that records subscriber information, the method
10 comprising the steps of:

uploading from a first wireless communication terminal with the subscriber information card being mounted, to a server via a communication network, at least updated part of data which is stored in a memory in the wireless communication terminal, in
15 accordance with a user's request or automatically;

updating contents in a user's data storage area with the data being uploaded, in the server;

downloading the data to a second wireless communication terminal via the communication network from the server, the data
20 being confirmed in accordance with a user's request or automatically, as data to be downloaded to the second wireless communication terminal from the server, after the subscriber information card having been demounted is mounted on the second wireless communication terminal; and

25 updating the contents of the memory in the second wireless communication terminal, with the data having been downloaded from the server.

2. The wireless communication terminal synchronization
30 method according to claim 1, wherein,

said uploading is allowed to be executed at least under conditions that the user is confirmed to be an authenticated user

of said subscriber information card and an authenticated user of the terminal.

3. The wireless communication terminal synchronization
5 method according to claim 1 or 2, wherein,

said uploading is allowed to be executed at least under conditions that the wireless communication terminal that requested the uploading is confirmed to be a terminal being associated with said subscriber information card in advance.

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4. The wireless communication terminal synchronization method according to claim 2 or 3, wherein,

the conditions are confirmed on the terminal side.

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5. The wireless communication terminal synchronization method according to any of claim 2, 3 or 4, wherein,

the conditions are confirmed on the server side.

6. The wireless communication terminal synchronization
20 method according to any of claims 1 to 5, wherein,

a data attribute as a target of said uploading and said downloading is registered in advance, and in each of the terminals, only the data having the data attribute registered in each own terminal becomes the target of the uploading and the downloading.

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7. A wireless communication system comprising plural wireless communication terminals at least communication operation of which is enabled by mounting a subscriber information card recording subscriber information, and a server that is
30 connected with the wireless communication terminals via a communication network, said server comprising:

a communication means which performs data communication

with said wireless communication terminals via the communication network;

a storage unit which includes a storage area to store a copy of the data stored in said plural wireless communication

5 terminals; and

a server side synchronization means which synchronizes the data of a user stored in the wireless communication terminal and stored in the storage unit according to a request from said wireless communication terminal;

10 each of the wireless communication terminals comprising:

a card mounting means which detachably mounts a subscriber information card;

a wireless communication means which is operable when said subscriber information card is mounted;

15 a memory means which stores user data; and

a terminal side synchronization means which requests execution of synchronization to said server after said subscriber information card is mounted, and uploading or downloading of data is executed with said server as required; and

20 at least either one of said server and each of said wireless communication terminals further comprising:

an authentication means which allows only plural wireless communication terminals possessed by an identical user, to perform synchronization as to the user data of the user in the storage unit of said server.

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8. The wireless communication system according to claim 7, wherein,

said authentication means allows synchronization to be executed at least under conditions that the user who requested the synchronization is confirmed to be an authenticated user of said subscriber information card and an authenticated user of the

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terminal.

9. The wireless communication system according to claim 8, wherein,

5 said authentication means confirms that the user of the terminal that requested the synchronization is an authenticated user of said subscriber information card, on the basis of personal identification information being associated with said subscriber information card.

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10. The wireless communication system according to claim 8, wherein,

15 said authentication means confirms that the user is an authenticated user of the terminal on the basis of personal identification information being associated with the wireless communication terminal.

11. The wireless communication system according to claim 7, wherein,

20 said authentication means allows executing the synchronization under conditions that the terminal that requested the synchronization is confirmed to be the terminal that is associated with the subscriber information card in advance.

25 12. The wireless communication system according to claim 11, wherein,

30 said authentication means is provided in the terminal so as to store in a memory of the terminal, the subscriber identification information recorded in said subscriber information card, and in performing authentication, it is checked whether the subscriber identification information of the subscriber information card mounted on the wireless communication

terminal and the subscriber identification information stored in the memory of the terminal as a target for authentication match with each other, thereby confirming that the terminal requested the synchronization is a terminal being associated with said
5 subscriber information card in advance.

13. The wireless communication system according to claim 11, wherein,

said authentication means is provided in the terminal so
10 as to store in the memory of the subscriber information card mounted on the terminal, the terminal identification information recorded in the terminal, and in performing authentication, it is checked whether any of the plural terminal identification information stored in the memory of the subscriber information
15 card and the terminal identification information recorded in the terminal as a target of the authentication match with each other, thereby confirming that the terminal requested the synchronization is a terminal being associated with the subscriber information card in advance.

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14. The wireless communication system according to claim 11, wherein,

said server comprises a subscriber managing database to register the subscriber identification information of the
25 subscriber information card and terminal identification information of plural wireless communication terminals of the user in such a manner as being associated with each other;

said authentication means is provided in said server to receive from the wireless communication terminal, subscriber
30 identification information recorded in the subscriber information card and terminal identification information of the wireless communication terminal on which the subscriber

information card is mounted, and confirms that the terminal identification information thus received is registered in the subscriber managing database, in such a manner as being associated with the subscriber identification information thus received,
5 thereby confirming that the terminal that requested the synchronization is a terminal being associated with said subscriber information card in advance.

15. A wireless communication terminal at least
10 communication operation of which is enabled by mounting a subscriber information card that records subscriber information, said terminal comprising:

a card mounting means which detachably mounts a subscriber information card;

15 a wireless communication means which is operable when the subscriber information card is mounted;

a memory means which stores user data; and

a terminal side synchronization means which requests execution of synchronization to the server on the communication
20 network after the subscriber information card is mounted, and executes uploading or downloading of data with the server as required.

16. The wireless communication terminal according to claim
25 15, further comprising an authentication means which allows only plural wireless communication terminals possessed by an identical user to perform synchronization for the user data of the user in a storage unit in said server.

30 17. The wireless communication terminal according to claim 16, wherein,

said authentication means allows the synchronization to be

executed under conditions that the user of the terminal who requested the synchronization is confirmed to be an authenticated user of said subscriber information card and the user is confirmed to be an authenticated user of the terminal.

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18. The wireless communication terminal according to claim 17, wherein,

said authentication means confirms that the user of the terminal that requested the synchronization is an authenticated
10 user of said subscriber information card, on the basis of personal identification information being associated with said subscriber information card.

19. The wireless communication terminal according to claim
15 17, wherein,

said authentication means confirms that the user is an authenticated user of the terminal on the basis of personal identification information that is associated with the wireless communication terminal.

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20. The wireless communication terminal according to claim 15, wherein,

said authentication means allows executing the synchronization under conditions that the terminal that requested
25 the synchronization is confirmed to be the terminal that is associated with said subscriber information card in advance.

21. The wireless communication terminal according to claim 20, wherein,

30 said authentication stores in a memory means of the wireless communication terminal, the subscriber identification information recorded in said subscriber information card, and in

performing authentication, it is checked whether the subscriber identification information of the subscriber information card mounted on the wireless communication terminal and the subscriber identification information stored in the memory means of the terminal as a target for authentication match with each other, thereby confirming that the terminal requested the synchronization is a terminal being associated with said subscriber information card in advance.

22. The wireless communication terminal according to claim 20, wherein,

said authentication means stores the terminal identification information recorded in the terminal in the memory in the subscriber information card mounted on the terminal, and in performing authentication, it is checked whether any of the plural terminal identification information stored in the memory in the subscriber information card and the terminal identification information recorded in the terminal as a target of the authentication match with each other, thereby confirming that the terminal requested the synchronization is a terminal being associated with the subscriber information card in advance.

23. The wireless communication terminal according to claim 15, further comprising:

a detecting means which detects mounting and/or demounting of said subscriber information card, wherein,

said terminal side synchronization means accesses said server triggered by detecting the mounting and/or demounting of said subscriber information card, and requests execution of the synchronization.

24. The wireless communication terminal according to claim

15, comprising a means that detects a battery remaining amount,
wherein,

said terminal side synchronization means accesses said
server triggered when the battery remaining amount becomes a
5 predetermined level or less, and requests execution of
synchronization including at least data uploading.

25. The wireless communication terminal according to claim
15, wherein,

10 said terminal side synchronization means is provided with
a judging means which judges whether or not the terminal is in
idle state, and executes the synchronization process when said
judging means determines that the terminal is in idle state.

15 26. The wireless communication terminal according to claim
15, wherein,

said terminal side synchronization means accesses said
server in response to a directive from a user and uploads data
as a target for uploading, and then, erases a predetermined data
20 in the terminal all at once.

27. A server being connected via a communication network
with plural wireless communication terminals at least
communication operation of which is enabled by mounting thereon
25 a subscriber information card that records subscriber information,
said server comprising:

a communication means which performs data communication
with said wireless communication terminals via the communication
network;

30 a storage unit which has a storage area to store a copy of
the data that is stored in said plural wireless communication
terminals;

a server side synchronization means which performs synchronization with said wireless communication terminals for user data stored in said storage unit, in accordance with a request from said wireless communication terminals; and

5 an authentication means which allows only plural wireless communication terminals possessed by an identical user to perform synchronization for the user data of the user in the storage unit.

28. The server according to claim 27, wherein,
10 said authentication means allows synchronization to be executed at least under conditions that the user of the terminal that requested the synchronization is confirmed to be an authenticated user of said subscriber information card and the user is confirmed to be an authenticated user of the terminal.

15 29. The server according to claim 28, wherein,
 said authentication means confirms that the user of the terminal that requested the synchronization is an authenticated user of said subscriber information card, on the basis of personal
20 identification information being associated with said subscriber information card.

30. The server according to claim 28, wherein,
 said authentication means confirms that the user is an
25 authenticated user of the terminal on the basis of personal identification information that is associated with the wireless communication terminal.

31. The server according to claim 27, wherein,
30 said authentication means allows executing the synchronization under conditions that the terminal requested the synchronization is confirmed to be the terminal that is associated

with said subscriber information card in advance.

32. The server according to claim 31, further comprising:

5 a subscriber managing database to register the subscriber
identification information of the subscriber information card and
terminal identification information of plural wireless
communication terminals of the user in such a manner as being
associated with each other;

10 said authentication means receiving from the wireless
communication terminal, subscriber identification information
recorded in said subscriber information card and terminal
identification information of the wireless communication
terminal on which the subscriber information card is mounted, and
confirming that the terminal identification information thus
15 received is registered in the subscriber managing database, in
such a manner as being associated with the subscriber
identification information thus received, thereby confirming
that the terminal that requested the synchronization is a terminal
that is associated with said subscriber information card in
20 advance.